

ANNEX D

TRAINING, DRILLS, AND EXERCISES

PRIMARY AGENCY: Washington State Military Department

SUPPORT AGENCIES: Washington State Department of Agriculture
Washington State Department of Health
Washington State Patrol
Washington State Department of Transportation
Adams County
Benton County
Franklin County
Grant County
Kitsap County
Snohomish County
Walla Walla County
Yakima County
Umatilla Chemical Depot
United States Department of Energy- Hanford Site
Energy Northwest, Columbia Generating Station
Federal Emergency Management Agency
Puget Sound Naval Shipyard
Submarine Base Bangor
Naval Station Everett

I. INTRODUCTION

A. Purpose

The purpose of this Annex is to describe the training, drill, and exercise activities supporting nuclear facilities / ships, submarines, and chemical weapon facilities.

B. Scope

Pertinent state and county agencies will take part in emergency response training, drill, and exercise programs in support of this Plan.

II. POLICIES

Training activities supporting the Chemical Stockpile Emergency Preparedness Program (CSEPP), Columbia Generating Station United States Department of Energy- Hanford Site and U.S. Naval Nuclear Propulsion Program installations,

are to be coordinated so as to consolidate similar training sessions into joint hazards training opportunities. Exercise activities in one program with the potential to satisfy exercise requirements in one of the other programs will be coordinated among the facilities, the state, and the Federal Emergency Management Agency (FEMA).

III. SITUATION

See the Basic Plan, Section III, of the *Integrated Fixed Facility Radiological and Chemical Protection Plan*.

IV. CONCEPT OF OPERATIONS

A. General

Emergency response training, drill, and exercise programs are essential to ensure Washington State agencies and agencies of each affected county are able to implement the *Integrated Fixed Facility Radiological and Chemical Protection Plan*.

B. Training

Emergency response training programs provide instruction for state, county, and municipal response personnel responsible for implementing this Plan and its implementing procedures. Initial and annual training is primarily accomplished through program orientations, tabletop exercises, and drills. Specific technical training, such as field teams and dose assessors, is conducted in small groups by the lead agencies for that activity. Emergency response groups receiving training includes but are not limited to, the following:

1. Directors or coordinators of response agencies receive comprehensive initial and annual training through orientations and drills on the overall program and the protective action decision-making process from their program staff.
2. Personnel responsible for accident assessment receive initial and annual training from the facility and/or The Department of Health (Health) on the equipment and procedures necessary to accurately assess an accident.
3. Radiological/chemical hazardous materials monitoring teams and radiological analysis personnel receive initial and annual training from the facility and/or Health.

4. Law enforcement, security, and firefighting personnel receive annual training from the plume counties.
5. First aid and rescue personnel receive annual training from the plume counties and/or facilities.
6. Local support services personnel including emergency services personnel receive annual training from the plume counties.
7. Medical support personnel receive annual training from the facility and CGS/DOE plume counties.
8. Personnel who transmit emergency information and instructions receive annual training from the plume counties, Washington State Military Department, Emergency Management Division (EMD), and the facility.
9. Media personnel (radio, TV, and press) receive annual training by the Energy Northwest (ENW) and EMD.
10. Personnel with emergency response responsibilities receive initial and annual training from their respective organizations.

C. Drills

1. Fixed facility emergency response drills are conducted to familiarize and train state and county emergency response personnel with their emergency responsibilities and duties. These drills also provide a means of emergency performance evaluation.
2. Columbia Generating Station drills required by federal regulations include:
 - a. Communications Drills
 - (1) Monthly communications tests (to include the aspect of understanding the content of messages) of telephone communications between the facility and each plume exposure Emergency Planning Zone (EPZ) county Emergency Operations Center (EOC).
 - (2) Quarterly communications tests between federal response agencies and states within the ingestion pathway.

- (3) Annual communications tests by Health between the state field teams and the facility.

b. Medical Emergency Drills

- (1) CGS plume exposure EPZ counties will participate in annual medical emergency drills involving a simulated contaminated individual that contain provisions for participation by local support services (i.e., ambulance and offsite medical treatment facilities).
- (2) Medical emergency drills involving designated hospitals, county emergency services and state agencies, as appropriate, will be conducted biennially.

c. Radiological Monitoring Drills

Radiological monitoring drills will be conducted annually by Health.

d. Health Physics Drills

Health physics drills involving Health radiological monitoring teams will be conducted semi-annually to test response to and analysis of simulated elevated airborne and liquid samples and direct radiation measurements in the environment.

3. **Naval Nuclear Propulsion Program Drills** (known as Exercises at Naval Nuclear Propulsion Program sites) conduct the following periodic drills:

- a. **Communication Drills:** Periodic communication test with WEMD, Kitsap and Snohomish County EOC's.
- b. **Protective Action Decision Making Drill:** Tabletop drill covering use of State and County notification form/event category determinations/protective action recommendations.

D. Exercises

1. **Energy Northwest, Columbia Generating Station Exercises**

- a. Columbia Generating Station exercises will be conducted biennially in accordance with Nuclear Regulatory Commission (NRC) and the FEMA rules. They will test all of

the major elements to the plan during FEMA's evaluation program. The exercises will be based on an accident scenario postulating an emergency resulting in offsite radiological releases requiring response by offsite response organizations. Exercises will be observed by official evaluators who will observe, evaluate, and critique the exercise.

- b. Scenarios for exercises will be varied from exercise to exercise to allow all organizations having a role to demonstrate Columbia Generating Station preparedness. Columbia Generating Station exercise scenarios will be prepared by the facility operator, in cooperation with EMD, Health, WSDA, and appropriate county government(s). Information about the scenario will not be released to participants before the exercise to ensure a realistic evaluation of emergency preparedness. The scenario will include specific objectives, dates, times, places, and participating organizations, schedules of real or simulated events, a narrative summary of events, and a timeline for integrating the activities of participating organizations.
- c. Materials will be provided to evaluators and controllers in advance of the exercise.
- d. Ingestion exposure pathway exercises will be held at least once every six years.
- e. The number and type of personnel participating in ingestion aspects of an exercise will be sufficient for carrying out those ingestion measures required by the accident scenario.
- f. Exercises will be conducted to simulate different seasons of the year over a six-year period. This can be accomplished through scenario design and exercise controller input.
- g. Unannounced exercises or drills will be conducted at least once every six years.
- h. Observer and participant comments on areas needing improvement, including plan and procedural changes, are to be evaluated and responsibility assigned for implementing corrective actions. A management control process must be used to ensure corrective actions are implemented.

- i. Visitors choosing to observe the Columbia Generating Station exercise(s) and visit the state EOC at Camp Murray, must wear a visitor badge, be escorted at all times, and therefore do not have a need for advance material.

2. **United States Department of Emergency-Hanford Site Exercises**

- a. Hanford Site exercises will be conducted annually. Materials will be provided to evaluators and controllers in advance of the exercise.
- b. Each functional exercise will include mobilization of state and county emergency workers and resources required to adequately verify emergency response capabilities.
- c. The state and each county within the plume exposure pathway EPZ must participate in the exercises.
- d. Visitors choosing to observe the Hanford Site exercise(s) and visit the state EOC at Camp Murray, must wear a visitor badge, be escorted at all times, and therefore do not have a need for advance material.

3. **Chemical Stockpile Emergency Preparedness Program Exercises (CSEPP)**

- a. CSEPP exercises are conducted to provide a timely assessment of the level of preparedness at the Umatilla Chemical Depot (UMCD) and its surrounding communities in the Immediate Response Zone (IRZ). The exercises provide a basis upon which to build and strengthen response capabilities both on and off-post.
- b. Each CSEPP installation, as well as its surrounding jurisdictions within the plume exposure pathway must participate in this exercise program. These federally mandated CSEPP exercises are arranged on a two-year cycle. There are two types of exercises: Direction and Control Exercises (DCX) and Full-Scale Exercises (FSX).
- c. These exercises must:
 - (1) Be held in alternating years within the exercise cycle.

- (2) Evaluation will include using the Integrated Performance Evaluation (IPE) methodology with 6 Response Operation Systems (ROS), associated with Performance Evaluation Guides (PEG) as the exercise evaluation tool. 13 Performance Measures developed by the Umatilla CSEPP Community to evaluate the communities preparedness and capability.
- d. Tabletop exercises may precede DCXs and FSXs, however, they cannot substitute for the exercises. All federally managed CSEPP exercises will be evaluated. Advance materials will be provided to controllers and evaluators for the exercise. A combination of self-assessment by the players and observation by the evaluators will be used in assessing the exercises. Evaluation consists of determining the level of existing CSEPP chemical accident/incident response capabilities as they pertain to people, plans, procedures, and training.
- e. Visitors choosing to observe CSEPP exercise(s) and visit the state EOC at Camp Murray must wear a name badge and be escorted at all times.
4. Naval Nuclear Propulsion Program Exercises. Puget Sound Naval Shipyard shall conduct periodic exercises with State and County agencies. These exercises may be located at or near Puget Sound Naval Shipyard/Naval Station Bremerton, Submarine Base Bangor or Naval Station Everett.
5. General:
 - a. Evaluator critiques will be scheduled for the conclusion of the exercise or drill to determine the ability of the organization to respond as called for in the plan.
 - b.. Exercise and drill comments are to be evaluated for possible modifications to plans and procedures.

V. RESPONSIBILITIES

A. General

1. Support for training will be provided by EMD, Health, the facility, or the county emergency management agency. FEMA, Columbia

Generating Station, **Naval Nuclear Propulsion Program**, and the Hanford Site also provide training to state and county agencies with emergency response duties.

2. EMD, Health, the facilities, and the affected county(ies) within the plume and ingestion exposure pathway EPZs will coordinate and conduct drills. Drills will be developed by jointly setting objectives, creating scenarios with real and simulated events, developing participant lists, and producing evaluation materials. EMD, Health, and the affected county (ies) will ensure drills are conducted, narrative summaries of the drills are produced, and evaluator and observer comments are addressed in a timely manner.
3. Management controls in each agency will be used to ensure corrective actions are implemented following drills and exercises.

B. Primary Agency: Washington State Military Department, Emergency Management Division

1. Training activities supporting the fixed facilities are to be coordinated to maximize opportunities for joint training sessions or consecutive training sessions to minimize travel requirements for participants.
2. Training sessions are to be conducted as necessary to meet program requirements.
3. In-house critiques will be conducted after each drill or exercise and incorporate resulting appropriate changes into the next revision of this Plan. In the event significant planning issues are identified, an immediate change to this plan shall be issued. Routine editorial-type changes to the plan can be held for the next annual review.
4. Develop a summary of resolved corrective actions arising out of each drill or exercise in conjunction with agencies participating in the drill or exercise. Ensure appropriate corrective actions are taken to correct any noted problems.
5. Ensure appropriate staff and volunteers receive initial and recurring training.
6. Conduct periodic training sessions and drills to validate the plan and procedures.
7. Maintain records of Columbia Generating Station related training provided, people attending, exam results, and corrective or

remedial actions addressed by the training sessions to support the state's annual certification report.

C. Support Agencies:

1. Washington State Department of Agriculture

- a. Ensure appropriate people receive initial and recurring training.
- b. Conduct periodic training sessions and drills to validate the plan and procedures.
- c. Participate in training sessions to inform onsite and offsite responders of the requests for support that WSDA will be making.
- d. Participate in joint integrated drills and exercises with facilities, counties, and other state agencies.

2. Washington State Department of Health

- a. Participate in joint integrated drills and exercises with facilities, counties, and other state agencies.
- b. Work with the planning agency to develop and conduct tabletop drills to validate plans and procedures.
- c. Conduct training drills both internally and in conjunction with other radiological response agencies, to provide realistic, hands-on experience.
- d. Ensure responders have received initial and refresher training appropriate for their response positions.
- e. Coordinate training with EMD and facilities.
- f. Coordinate and provide radiological-specific training to all agencies requiring or requesting training, e.g., WSP, counties, firefighters, and ambulance/rescue, if appropriate.

3. Adams, Benton, Franklin, Grant, Walla Walla, Kitsap, Snohomish, and Yakima Counties

- a. Ensure appropriate people receive initial and recurring training.

- b. Coordinate training requirements with EMD.
- c. Conduct periodic training sessions, drills, and exercises to validate the plan and procedures.
- d. Participate in joint integrated drills and exercises with facilities, other counties, and state agencies.
- e. For Columbia Generating Station related training, maintain records of training presented, people attending, exam results, and corrective or remedial actions addressed by the training sessions to support the state's annual program certification report to FEMA.

4. **Energy Northwest, Columbia Generating Station**

- a. Support requests for assistance from state and county agencies.
- b. Provide critiques of observed drills and exercises.
- c. Participate in joint integrated drills and exercises with other facilities, counties, state, and federal agencies.

5. **United States Department of Energy- Hanford Site**

- a. Support requests for assistance from state and county agencies.
- b. Provide critiques of observed drills and exercises.
- c. Participate in joint integrated drills and exercises with other facilities, counties, state, and federal agencies.

6. **Umatilla Chemical Depot**

- a. Support requests for assistance from state and county agencies.
- b. Provide critiques of observed drills and exercises.
- c. Participate in joint integrated drills and exercises with other facilities, counties, state, and federal agencies.

7. **Federal Emergency Management Agency**

- a. Support requests for assistance from state and county agencies.
- b. Provide critiques of observed drills and exercises.
- c. Participate in joint integrated drills and exercises with facilities, counties, state, and other federal agencies.

8. Naval Nuclear Propulsion Program

- a. Support requests for assistance from state and county agencies.
- b. Participate in joint integrated drills and exercises with facilities, counties, state, and other federal agencies.

VI. RESOURCE REQUIREMENTS

Resources required to support training, drills, and exercises will be identified by the agency providing the training in sufficient time to allow participants to be prepared.

VII. REFERENCES

See the Basic Plan, Section II. A., Authorities, of the *Integrated Fixed Facility Radiological and Chemical Protection Plan*.